$\underline{\text{Table 1}}\colon$  List of descriptors and corresponding Table B entries that define the subset used in the AVN MOS BUFR message.

0 0 0 0	scr: 1 5 6	iptor 63 2 2	Element Name ICAO Location Indicator Latitude Longitude	CCITT IA5 Degrees Degrees	Scale 0 2 2	Ref 0 -9000 -18000	Bits 64 15 16
0	4		Year	Year	0	0	12
0	4		Month	Month	0	0	4 6
0	4		Day Hour	Day Hour	0	0	5
0	8		Time Significance	Code table	0	0	5
0	1	32	Generating Application	Code table	0	0	8
0		200	Objective Forecast Technique Used		0	0	4
0	4	24	Time Period or Displacement	Hour	0	-2048	12
0		200	Daytime Max Temperature	K	1	0	12
0		201	Nighttime Min Temperature	K	1	0	12
0	12	1	Temperature	K	1	0	12
0	12	3	Dew Point Temperature	K	1	0	12
	11	1	Wind Direction	Degree true	0	0	9
0	11	200	Wind speed (inflated)	m/s	1	0	12
0	11	3	U-Component	m/s	1	-4096	13
0	11	4	V-Component	m/s	1	-4096	13
0	60	1	Prob. of Liquid Equivalent Precip.	용	0	0	7
			> 0.01 inch during past 6 hours				
0	60	2	$\overline{P}$ rob. of Liquid Equivalent Precip.	용	0	0	7
			$\geq$ 0.01 inch during past 12 hours				
0	60	3	Prob. of Liquid Equivalent Precip.	90	0	0	7
			$\geq$ 0.01 inch during past 24 hours				
0	60	58	Prob. of Thunderstorms during	%	0	0	7
			past 6 hours				
0	60	59	Prob. of Thunderstorms during	양	0	0	7
			past 12 hours				_
0	60	60	Prob. of Thunderstorms during	%	0	0	7
0	60	C 1	past 24 hours	0	0	0	_
0	60	61	Cond. Prob. of Severe Wx during	%	0	0	7
0	<b>C</b> 0	<b>C</b> O	past 6 hours	0	0	0	7
0	60	62	Cond. Prob. of Severe Wx during past 12 hours	%	0	0	7
0	60	63	Cond. Prob. of Severe Wx during	9	0	0	7
U	00	03	past 24 hours	6	U	U	/
0	60	150	Prob. of Severe Wx during	%	0	0	7
U	00	130	past 6 hours	·o	U	U	/
0	60	151	Prob. of Severe Wx during	%	0	0	7
O	00	101	past 12 hours	0	O	O	,
0	60	152	Prob. of Severe Wx during	%	0	0	7
Ŭ	00	102	past 24 hours	•	Ü	Ŭ	,
0	60	20	Conditional Prob. of Precip.	%	0	0	7
			Type: Freezing				
0	60	21	Conditional Prob. of Precip.	용	0	0	7
			Type: Snow				
0	60	22	Conditional Prob. of Precip.	%	0	0	7
			Type: Liquid				
0	60	91	Conditional Precip. Type Fcst.	Code table	0	0	3
			(Categorical)				

 $\frac{\texttt{Table 1}:}{\texttt{that define the subset used in the AVN MOS BUFR message.}}$ 

> 0.10 inch during past 6 hours   0   0   0   2   0.25 inch during past 6 hours   0   0   2   0.25 inch during past 6 hours   0   0   2   0.50 inch during past 6 hours   0   0   2   0.50 inch during past 6 hours   0   0   2   0.50 inch during past 6 hours   0   0   2   1.00 inch during past 6 hours   0   0   0   2   1.00 inch during past 6 hours   0   0   0   0   0   0   0   0   0	Des	scr:	iptor 4	Element Name Prob. of Liquid Equivalent Precip.	Unit	Scale 0	Ref <sub>0</sub>	Bits 7
> 0.25 inch during past 6 hours	0		7	$\geq$ 0.10 inch during past 6 hours	0.	0	0	7
0 60 13   Prob. of Liquid Equivalent Precip. %   0 0	U	00	/	<pre>&gt; 0.25 inch during past 6 hours</pre>	70	O	O	,
0 60 13	0	60	10		%	0	0	7
0 4 31	0	60	13	Prob. of Liquid Equivalent Precip.	%	0	0	7
0 60 90 Quantitative Precipitation Fcst. Code table 0 (Categorical) 0 4 31 Duration of Time Relating to Hour 0 0 Following Value 0 60 147 Cond. Expected Precip. Amt. Kg/m² 1 -1 0 60 5 Prob. of Liquid Equivalent Precip. % 0 0 0 ≥ 0.10 inch during past 12 hours 0 60 8 Prob. of Liquid Equivalent Precip. % 0 0 0 0 ≥ 0.50 inch during past 12 hours 0 60 11 Prob. of Liquid Equivalent Precip. % 0 0 0 ≥ 0.50 inch during past 12 hours 0 60 14 Prob. of Liquid Equivalent Precip. % 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	4	31	Duration of Time Relating to	Hour	0	0	8
0 4 31 Duration of Time Relating to Hour 0 Following Value 0 60 147 Cond. Expected Precip. Amt. Kg/m² 1 -1 0 60 5 Prob. of Liquid Equivalent Precip. % 0 0 0 0 ≥ 0.10 inch during past 12 hours 0 60 8 Prob. of Liquid Equivalent Precip. % 0 0 0 ≥ 0.25 inch during past 12 hours 0 60 11 Prob. of Liquid Equivalent Precip. % 0 0 0 ≥ 0.50 inch during past 12 hours 0 60 14 Prob. of Liquid Equivalent Precip. % 0 0 0 ≥ 1.00 inch during past 12 hours 0 60 16 Prob. of Liquid Equivalent Precip. % 0 0 0 ≥ 1.00 inch during past 12 hours 0 60 17 Prob. of Liquid Equivalent Precip. % 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0	60	90	Quantitative Precipitation Fcst.	Code table	e 0	0	4
0 60 147	0	4	31	Duration of Time Relating to	Hour	0	0	8
0 60 5	Λ	60	1 / 7		$Ka/m^2$	1	_1	14
0 60 8								7
≥ 0.25 inch during past 12 hours	0	60	8		%	0	0	7
0 60 11								
0 60 14  Prob. of Liquid Equivalent Precip. % 0 0 0	0	60	11	Prob. of Liquid Equivalent Precip.	00	0	0	7
0 60 16	0	60	14	Prob. of Liquid Equivalent Precip.	%	0	0	7
0 4 31	0	60	16	Prob. of Liquid Equivalent Precip.	%	0	0	7
0 60 90 Quantitative Precipitation Fcst. Code table 0 (Categorical) 0 4 31 Duration of Time Relating to Hour 0 0 Following Value 0 60 147 Cond. Expected Precip. Amt. Kg/m² 1 −1 0 60 6 Prob. of Liquid Equivalent Precip. % 0 0 0 ≥ 0.10 inch during past 24 hours 0 60 9 Prob. of Liquid Equivalent Precip. % 0 0 0 ≥ 0.25 inch during past 24 hours 0 60 12 Prob. of Liquid Equivalent Precip. % 0 0 0 ≥ 0.50 inch during past 24 hours 0 60 15 Prob. of Liquid Equivalent Precip. % 0 0 0 ≥ 1.00 inch during past 24 hours 0 60 17 Prob. of Liquid Equivalent Precip. % 0 0 0 ≥ 1.00 inch during past 24 hours 0 60 17 Prob. of Liquid Equivalent Precip. % 0 0 0 ≥ 1.00 inch during past 24 hours 0 4 31 Duration of Time Relating to Hour 0 0 Following Value 0 60 90 Quantitative Precipitation Fcst. Code table 0 0 (Categorical) 0 4 31 Duration of Time Relating to Hour 0 0 Following Value 0 60 147 Cond. Expected Precip. Amt. Kg/m² 1 −1 0 60 144 Prob. of Snow Amount ≥ 0.1 inches % 0 0	0	4	31	Duration of Time Relating to	Hour	0	0	8
0 4 31 Duration of Time Relating to Hour 0 0 Following Value 0 60 147 Cond. Expected Precip. Amt. Kg/m² 1 -1 0 60 6 Prob. of Liquid Equivalent Precip. 9 0 0 0 ≥ 0.10 inch during past 24 hours 0 60 9 Prob. of Liquid Equivalent Precip. 9 0 0 0 ≥ 0.25 inch during past 24 hours 0 60 12 Prob. of Liquid Equivalent Precip. 9 0 0 0 ≥ 0.50 inch during past 24 hours 0 0 0 0 15 Prob. of Liquid Equivalent Precip. 9 0 0 0 10 0 10 0 0 0 0 0 0 0 0 0 0 0 0	0	60	90	Quantitative Precipitation Fcst.	Code table	0	0	4
0 60 147 Cond. Expected Precip. Amt. Kg/m² 1 -1 0 60 6 Prob. of Liquid Equivalent Precip. % 0 0 ≥ 0.10 inch during past 24 hours 0 60 9 Prob. of Liquid Equivalent Precip. % 0 0 ≥ 0.25 inch during past 24 hours 0 60 12 Prob. of Liquid Equivalent Precip. % 0 0 ≥ 0.50 inch during past 24 hours 0 60 15 Prob. of Liquid Equivalent Precip. % 0 0 ≥ 1.00 inch during past 24 hours 0 60 17 Prob. of Liquid Equivalent Precip. % 0 0 ≥ 2.00 inch during past 24 hours 0 4 31 Duration of Time Relating to Hour 0 0 Following Value 0 60 90 Quantitative Precipitation Fcst. Code table 0 0 (Categorical) 0 4 31 Duration of Time Relating to Hour 0 0 Following Value 0 60 147 Cond. Expected Precip. Amt. Kg/m² 1 -1 0 60 144 Prob. of Snow Amount ≥ 0.1 inches % 0 0	0	4	31	Duration of Time Relating to	Hour	0	0	8
0 60 6 Prob. of Liquid Equivalent Precip. % 0 0 0 ≥ 0.10 inch during past 24 hours 0 60 9 Prob. of Liquid Equivalent Precip. % 0 0 0 ≥ 0.25 inch during past 24 hours 0 60 12 Prob. of Liquid Equivalent Precip. % 0 0 0 ≥ 0.50 inch during past 24 hours 0 60 15 Prob. of Liquid Equivalent Precip. % 0 0 0 ≥ 1.00 inch during past 24 hours 0 60 17 Prob. of Liquid Equivalent Precip. % 0 0 0 ≥ 2.00 inch during past 24 hours 0 4 31 Duration of Time Relating to Hour 0 0 Following Value 0 60 90 Quantitative Precipitation Fcst. Code table 0 0 (Categorical) 0 4 31 Duration of Time Relating to Hour 0 0 Following Value 0 60 147 Cond. Expected Precip. Amt. Kg/m² 1 -1 0 60 144 Prob. of Snow Amount ≥ 0.1 inches % 0 0	0	60	1 17	=	V ~ / m <sup>2</sup>	1	1	14
<pre></pre>								7
0 60 9 Prob. of Liquid Equivalent Precip. % 0 0 0 ≥ 0.25 inch during past 24 hours 0 60 12 Prob. of Liquid Equivalent Precip. % 0 0 0 ≥ 0.50 inch during past 24 hours 0 60 15 Prob. of Liquid Equivalent Precip. % 0 0 ≥ 1.00 inch during past 24 hours 0 60 17 Prob. of Liquid Equivalent Precip. % 0 0 ≥ 2.00 inch during past 24 hours 0 4 31 Duration of Time Relating to Hour 0 0 Following Value 0 60 90 Quantitative Precipitation Fcst. Code table 0 0 (Categorical) 0 4 31 Duration of Time Relating to Hour 0 0 Following Value 0 60 147 Cond. Expected Precip. Amt. Kg/m² 1 -1 0 60 144 Prob. of Snow Amount ≥ 0.1 inches % 0	U	00	0		-0	O	O	,
0 60 12 Prob. of Liquid Equivalent Precip. % 0 0 0 ≥ 0.50 inch during past 24 hours  0 60 15 Prob. of Liquid Equivalent Precip. % 0 0 0 ≥ 1.00 inch during past 24 hours  0 60 17 Prob. of Liquid Equivalent Precip. % 0 0 0 ≥ 2.00 inch during past 24 hours  0 4 31 Duration of Time Relating to Hour 0 0 Following Value  0 60 90 Quantitative Precipitation Fcst. Code table 0 0 (Categorical)  0 4 31 Duration of Time Relating to Hour 0 0 Following Value  0 60 147 Cond. Expected Precip. Amt. Kg/m² 1 −1 0 60 144 Prob. of Snow Amount ≥ 0.1 inches % 0 0	0	60	9	Prob. of Liquid Equivalent Precip.	00	0	0	7
O 60 15 Prob. of Liquid Equivalent Precip. % 0 0 0    > 1.00 inch during past 24 hours  O 60 17 Prob. of Liquid Equivalent Precip. % 0 0 0    > 2.00 inch during past 24 hours  O 4 31 Duration of Time Relating to Hour 0 0    Following Value  O 60 90 Quantitative Precipitation Fcst. Code table 0 0    (Categorical)  O 4 31 Duration of Time Relating to Hour 0 0    Following Value  O 60 147 Cond. Expected Precip. Amt. Kg/m² 1 -1    O 60 144 Prob. of Snow Amount > 0.1 inches % 0 0	0	60	12	Prob. of Liquid Equivalent Precip.	%	0	0	7
0 60 17 Prob. of Liquid Equivalent Precip. % 0 0  > 2.00 inch during past 24 hours  0 4 31 Duration of Time Relating to Hour 0 0  Following Value  0 60 90 Quantitative Precipitation Fcst. Code table 0 (Categorical)  0 4 31 Duration of Time Relating to Hour 0 0  Following Value  0 60 147 Cond. Expected Precip. Amt. Kg/m² 1 -1  0 60 144 Prob. of Snow Amount > 0.1 inches % 0 0	0	60	15	Prob. of Liquid Equivalent Precip.	ଚ	0	0	7
O 4 31 Duration of Time Relating to Hour O O Following Value  O 60 90 Quantitative Precipitation Fcst. Code table O (Categorical)  O 4 31 Duration of Time Relating to Hour O O Following Value  O 60 147 Cond. Expected Precip. Amt. Kg/m² 1 -1  O 60 144 Prob. of Snow Amount > 0.1 inches % O O	0	60	17	Prob. of Liquid Equivalent Precip.	양	0	0	7
O 60 90 Quantitative Precipitation Fcst. Code table O (Categorical)  O 4 31 Duration of Time Relating to Hour O O Following Value  O 60 147 Cond. Expected Precip. Amt. Kg/m² 1 -1  O 60 144 Prob. of Snow Amount > 0.1 inches % O O	0	4	31	Duration of Time Relating to	Hour	0	0	8
0 4 31 Duration of Time Relating to Hour 0 0 Following Value 0 60 147 Cond. Expected Precip. Amt. $Kg/m^2$ 1 -1 0 60 144 Prob. of Snow Amount $\geq$ 0.1 inches % 0 0	0	60	90	Quantitative Precipitation Fcst.	Code table	e 0	0	4
0 60 147 Cond. Expected Precip. Amt. $Kg/m^2$ 1 -1 0 60 144 Prob. of Snow Amount $\geq$ 0.1 inches % 0 0	0	4	31	Duration of Time Relating to	Hour	0	0	8
0 60 144 Prob. of Snow Amount > 0.1 inches % 0 0	^	<b>C</b> 0	1 47		TZ == /== 2	1	1	1 1
during past 24 hours	_							14 7

Des	scri	iptor	Element Name	Unit	Sc	ale	Ref	Bits
0	60	31	Prob. of Snow Amount > 2 inches	용		0	0	7
			during past 24 hours					
0	60	33	Prob. of Snow Amount $\geq$ 4 inches	용		0	0	7
			during past 24 hours					
0	60	35	Prob. of Snow Amount $\geq$ 6 inches	용		0	0	7
		4.5	during past 24 hours					_
0	60	145	Prob. of Snow Amount > 8 inches	용		0	0	7
0	1	2.1	during past 24 hours	TT		^	0	0
0	4	31	Duration of Time Relating to Following Value	Hour		0	0	8
0	60	93	Quantitative Snow Amount Fcst.	Code	table	0	0	4
O	00	33	(Categorical)	coac	Cabic	O	O	1
0	60	100	Prob. of Total Sky Cover: 0/8	용		0	0	7
0		101	Prob. of Total Sky Cover: 1/8-4/8	ુ		0	0	7
		103	Prob. of Total Sky Cover: 5/8-7/8	ુ		0	0	7
0		104	Prob. of Total Sky Cover: 8/8	용		0	0	7
0	20	11	Sky Cover	•	table	0	0	4
	60	42	Prob. of Ceiling Height < 200 feet		Cabic	0	0	7
0	60	43	Prob. of Ceiling Height	8		0	0	7
U	00	40	200 - 400 feet	-0		U	U	/
0	60	44	Prob. of Ceiling Height	용		0	0	7
U	00	44	500 - 900 feet	-0		U	U	/
0	60	45	Prob. of Ceiling Height	용		0	0	7
O	00	40	1000 - 3000 feet	0		O	U	,
Λ	60	46	Prob. of Ceiling Height	ે લ		0	0	7
O	00	40	3100 - 6500 feet	0		O	O	,
0	60	47	Prob. of Ceiling Height	ે લ		0	0	7
O	00	1 /	6600 - 12000 feet	0		O	O	,
0	60	48	Prob. of Ceiling Height	ે		0	0	7
			> 12000 feet					
0	60	94	Ceiling Height Fcst. (Categorical)	Code	table	0	0	4
0	60	110	Prob. of Visibility < 1/4 mile	용		0	0	7
0		111	Prob. of Visibility < ½ mile	%		0	0	7
0		112	Prob. of Visibility < 7/8 mile	%		0	0	7
0		113	Prob of Visibility $< 2.3/4$ miles	%		0	0	7
0		114	Prob. of Visibility $\leq 2 3/4$ miles Prob. of Visibility $\leq 5$ miles	용		0	0	7
0		115	Prob. of Visibility < 6 miles	%		0	0	7
0		190	Visibility Forecast (Categorical)		table	0	0	4
0	60	54	Prob. of Obstruction to vision:	%	Labie	0	0	7
U	00	34	Blowing phenomena	70		U	U	/
0	60	55	Prob. of Obstruction to Vision:	%		0	0	7
U	60	33		70		U	U	/
0	60	116	Haze  Prob of Obstruction to Vision:	olc Olc		0	0	7
U	00	116	Prob. of Obstruction to Vision:	70		U	U	/
0	60	117	Mist (BR)	양		0	0	7
0	00	11/	Prob. of Obstruction to Vision:	70		U	U	/
0	60	57	Fog (FG) Prob. of Obstruction to Vision:	olc Olc		0	0	7
U	00	37	None	70		U	U	/
Ω	60	96	Obstruction to Vision Forecast	Code	table	0	0	3
U	00	<i>J</i> 0	(Categorical)	code	cante	U	U	5
Ω	14	32	Total Sunshine	Hour		0	0	10
		200	Percent of Possible Sunshine	8		0	0	7
9		_		9		•	9	,

Descriptor		Element Name	Unit	Scale	Ref	Bits
0 14	20	Solar Radiation	J/m <sup>2</sup>	-4	0	15
0 60		Conditional Prob. of Precip.	%	0	0	7
0 (0		Character: Drizzle	0	0	0	7
0 60		Conditional Prob. of Precip. Character: Continuous	용	U	U	/
0 60			0	0	0	7
0 60		Conditional Prob. of Precip.	용	U	U	/
		Character: Showers				
0 60		Conditional Precip. Character	Code tal	ole 0	0	3
		Fcst. (Categorical)				
0 60 1	L48	Prob. of precip. occurrence	용	0	0	7
0 60 1	L49	Prob. of precip. occurrence last	용	0	0	7
		3 hours				
0 60 1	L91	Combined Cig/Vis 4-Category	Code tak	ole 0	0	3